



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

| APPLICATION NO.  | FILING DATE | FIRST NAMED INVENTOR  | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|--|-------------|-----------------------|---------------------|------------------|
| 10/803,010   | 03/17/2004  | Blaise Aguera y Arcas | 489/9               | 4411             |
| 27538  | 7590        | 10/06/2005            | EXAMINER            |                  |
| KAPLAN GILMAN GIBSON & DERNIER L.L.P.<br>900 ROUTE 9 NORTH<br>WOODBRIDGE, NJ 07095 |             |                       | JANKUS, ALMIS R     |                  |
|  |             |                       | ART UNIT            | PAPER NUMBER     |
|  |             |                       | 2672                |                  |
| DATE MAILED: 10/06/2005  |             |                       |                     |                  |

Please find below and/or attached an Office communication concerning this application or proceeding.

|                              |                        |                        |  |
|------------------------------|------------------------|------------------------|--|
| <b>Office Action Summary</b> | <b>Application No.</b> | <b>Applicant(s)</b>    |  |
|                              | 10/803,010             | ARCAS, BLAISE AGUERA Y |  |

  

|                 |                 |  |
|-----------------|-----------------|--|
| <b>Examiner</b> | <b>Art Unit</b> |  |
| Almis R. Jankus | 2672            |  |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 17 March 2004.
- 2a) This action is FINAL.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-85 is/are pending in the application.
  - 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1-85 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) 1-85 are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All    b) Some \* c) None of:
    1. Certified copies of the priority documents have been received.
    2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                    | Paper No(s)/Mail Date: _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date: _____ | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
|   | 6) <input type="checkbox"/> Other: _____                                    |

**DETAILED ACTION**

1. Claims 1-85 are presented for examination.
2. The following is a quotation of the second paragraph of 35 U.S.C. 112:  
The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 1-39, 41-46 and 48-85 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 1, 6, 10, 15, 19, 24, 28, 34, 41, 48, and 67 require the limitation of "scaled up and/or down". This phrase is indefinite because it is not clear whether both up and down are required, or whether either up or down will suffice.

Claim 15 depends from claim 9 and requires "the storage medium of claim 9". However, neither claim 9 nor any claims from which it ultimately depends recite any storage medium. Therefore, the scope of claim 15 cannot be ascertained because of lack of antecedent basis for "the storage medium".

Art Unit: 2672

Claim 38 depends from claim 37 and requires "the power law". However, this limitation lacks proper antecedent basis.

Claims 2, 11, 20 and 30 require the formula  $p = d' \times z^a$

Where  $p$  is a linear size in pixels of one or more elements of the object at the zoom level,

$d'$  is an imputed linear size of the one or more elements of the object in physical units,

$z$  is the zoom level in units of physical linear size/pixel, and

$a$  is a power law where  $a \neq -1$ .

However, if  $a \neq -1$  then the formula is inoperative because the units on either side of the equality do not correspond. For example,  $p$  is given in units of (pixel)/(element of the object);  $d'$  is given in units of (size)/(element of the object); and  $z$  is given in units of (size)/(pixel). If  $a = -1$ , then the formula can be re-written as  $p = d' \times 1/z$  making the units of the right side of the equality (size)/(element of the object)  $\times$  (pixel)/(size) which calculates to (pixel)/(element of the object) which, now, correspond to the units of the left side of the equality (pixel)/(element of the object) which is  $p$ . Therefore, for the formula to be operative,  $a$  must be equal to  $-1$ .

4. Restriction to one of the following inventions is required under 35 U.S.C.

121:

Art Unit: 2672

- I. Claims 1-39, drawn to zooming, classified in class 345, subclass 660.
- II. Claims 40-85, drawn to blending, classified in class 345, subclass 629.

The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case the different inventions perform different functions and have different modes of operation.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

Because these inventions are distinct for the reasons given above and the search required for Group I is not required for Group II, restriction for examination purposes as indicated is proper.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Almis R. Jankus whose telephone number is 571-272-7643. The examiner can normally be reached on M-F, 6:30-3:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Razavi can be reached on 571-272-7664. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AJ



ALMIS R. JANKUS  
PRIMARY EXAMINER